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(54) **Computer controlled lighting system with distributed control resources**

(57) A distributed control system for a lighting system, including: one or more control devices for entering parameter-controlling inputs according to a specified format, the parameter-controlling inputs directing the operation of the lighting system, the control devices including a data processor coupled to the parameter-controlling inputs and a memory coupled to the processor; one or more computing devices for storing, editing, and displaying data related to the parameter-controlling inputs, the computing devices including at least a data processor, a memory coupled to the processor, and a data display device coupled to the processor; one or more load interface modules each including a data processor for controlling the respective interface module and for monitoring data link signals, each of the load interface modules supporting at least one device-control data link network; a control-resources data link network connecting the control devices, the computing devices, and the load interface modules; and at least one device-control data link network having a common path for connecting the load interface module to a plurality of multiple-parameter lamp units having a plurality of adjustable parameters relating to beam characteristics and a driver for controlling a plurality of the parameters in response to the parameter-controlling inputs.

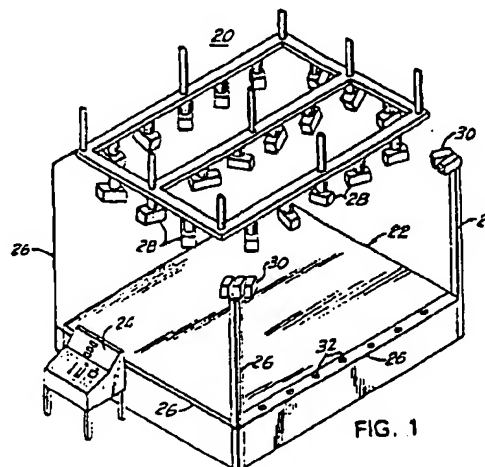


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
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| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|--|---|--|--|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claims | CLASSIFICATION OF THE APPLICATION (Int.Cl.6) |
| Y | EP 0 534 710 A (VARI LITE INC) 31 March 1993 * page 2, line 20 - line 39; claim 1 * --- | 1 | G05B19/042 H05B37/02 |
| Y | WO 95 13498 A (COLORTAN INC) 18 May 1995 * the whole document * --- | 1 | |
| A | WO 89 05086 A (ADVANCED LIGHTING SYSTEMS SCOT) 1 June 1989 * the whole document * --- | 1 | |
| A | US 5 059 871 A (PEARLMAN GORDON W ET AL) 22 October 1991 * the whole document * ----- | 1 | |
| | | | TECHNICAL FIELDS SEARCHED (Int.Cl.6) |
| | | | G05B H05B |
| The present search report has been drawn up for all claims | | | |
| Place of search THE HAGUE | | Date of completion of the search 18 June 1997 | Examiner Hauser, L |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>Δ : member of the same patent family, corresponding document</p> | | | |

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